



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,108	12/13/2001	Georg G. A. Bohm	P01012US1A	2477

7590

05/24/2005

John H. Hornickel
Senior I. P. Counsel
Bridgestone/Firestone, Inc.
1200 Firestone Parkway
Akron, OH 44317

EXAMINER

MAKI, STEVEN D

ART UNIT	PAPER NUMBER
----------	--------------

1733

DATE MAILED: 05/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary

Application No.

10/022,108

Applicant(s)

BOHM ET AL.

Examiner

Steven D. Maki

Art Unit

1733

All participants (applicant, applicant's representative, PTO personnel):

(1) Steven D. Maki.

(3) _____.

(2) Arthur Reginelli.

(4) _____.

Date of Interview: 19 May 2005.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: 1-18 (see INTERVIEW SUMMARY ATTACHMENT B).

Identification of prior art discussed: art of record including Japan 486.

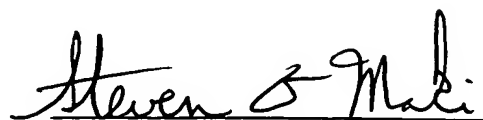
Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: see INTERVIEW SUMMARY ATTACHMENT A.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

INTERVIEW SUMMARY ATTACHMENT A

Applicant's representative faxed a proposed claim amendment to the examiner. See INTEVIEW SUMMARY ATTACHMENT B. Discussed proposed claim amendment. Examiner commented that the step of "mixing the premix with carbon black" reads on Japan 486's second liquid state mixing step. Discussed pages 11 and 13 of the specification. In view of pages 11 and 13 of the specification, examiner agreed that the original disclosure supports subject matter of solid state mixing the premix with carbon black. However, examiner noted that amending the claims to specify solid state mixing would be a new issue requiring further search and/or consideration.

INTERVIEW SUMMARY ATTACHMENT B

05-05-16 02:48PM FROM:RENNER KENNER

+330-376-9646

T-056 P.01/04 F-363

RENNER, KENNER, GREIVE, BOBAK, TAYLOR & WEBER
Fourth Floor, First National Tower
Akron, Ohio 44308-1456
Writer's Direct Line: (330) 761-6664
Facsimile: (330) 376-9646
E-Mail: *reginelli@rennerkenner.com*

TELECOMMUNICATION COVER PAGE

DATE: May 16, 2005

TO: Steven D. Maki

FACSIMILE NO.: 571-273-1221

FROM: Arthur M. Reginelli

RE: U.S. Patent Application Serial No. 10/022,108

TOTAL NUMBER OF PAGES (NOT INCLUDING COVER PAGE): 3

If you do not receive all pages, please notify Kimberly as soon as possible.

COMMENTS:

The claims as amended in the attached document are submitted for discussion purposes only during the telephone interview which is scheduled for May 19 at 11:00.

THIS FACSIMILE MESSAGE AND ACCOMPANYING DOCUMENTS ARE INTENDED ONLY FOR THE USE OF THE ADDRESSEE INDICATED ABOVE, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED OR OTHERWISE CONFIDENTIAL. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, REVIEW OR USE OF THIS MESSAGE, DOCUMENTS OR INFORMATION CONTAINED THEREIN IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE OR FACSIMILE AND MAIL THE ORIGINAL TO US AT THE ABOVE ADDRESS. THANK YOU.

INTERVIEW SUMMARY ATTACHMENT B

05-05-16 02:48PM FROM-RENNER KENNER

+330-376-9646

T-056 P.02/04 F-363

May 16, 2005
U.S. Application Serial No. 10/022,108
Army. Docket No.: P01012US1A
Claims 1-18 and 20

PROPOSED CLAIM AMENDMENT

1. (Currently amended) A method for forming a vulcanizable composition of matter, the method comprising:

providing a polymer cement or latex comprising at least one rubber and a solvent or water;

adding at least one processing aid to the cement or latex ~~to form a modified rubber cement or latex~~;

isolating the rubber and at least one processing aid from the solvent or water to form a premix; and

mixing the premix with carbon black.

2. (Original) The method of claim 1, where said step of adding at least one processing aid to the cement or latex includes forming a cocktail, which includes the processing aid and a solvent, and adding the cocktail to the cement or latex.

3. (Original) The method of claim 2, where said step of forming the cocktail includes heating the processing aid and solvent to a temperature of from about 30 to about 140°C.

4. (Original) The method of claim 3, where said step of forming the cocktail includes combining the processing aid and solvent with an oil.

5. (Original) The method of claim 4, where the cocktail includes from about 10 to about 50 parts by weight processing aid, from about 100 to about 35 parts by weight solvent, and from about 0 to about 65 parts by weight oil.

INTERVIEW SUMMARY ATTACHMENT B

05-05-16 02:48PM FROM:RENNER KENNER

+330-376-8646

T-056 P.03/04 F-363

6. (Original) The method of claim 1, where said step of adding at least one processing aid to the cement or latex includes forming a cocktail, which includes the processing aid and an oil, and adding the cocktail to the cement or latex.
7. (Original) The method of claim 1, where said step of isolating includes drying the rubber and processing aid.
8. (Original) The method of claim 1, where said step of mixing occurs within a mixer having a net mixing chamber volume of at least about 75 L operated at a fill factor of at least about 50.
9. (Original) The method of claim 1, where the at least one processing aid is a polar organic compound, a resin, a low molecular weight polymer, or a mixture thereof.
10. (Original) The method of claim 9, where the polar organic compound is a high-HLB surfactant, an ester, a ketone, an aldehyde, an ether, an amide, an amine, a carboxylic acid, a fatty acid, a sulfonic acid, an organic sulfate, a metal carboxylate, a metal sulfonate, or a mixture thereof.
11. (Original) The method of claim 10, where the fatty acid salt includes a mixture of zinc fatty acid salts.
12. (Original) The method of claim 1, where the rubber is a functionalized rubber.
13. (Original) The method of claim 12, where the functionalized rubber is prepared by anionically polymerizing conjugated dienes, alone or in combination with vinyl aromatic monomers, and where the polymerization is initiated with a cyclic amine initiator or a tin-lithio initiator.

INTERVIEW SUMMARY ATTACHMENT B

05-05-16 02:48PM FROM-RENNER KENNER

+330-376-8646

T-056 P.04/04 F-363

14. (Original) The method of claim 12, where the functionalized rubber is prepared by terminating a polymerization with a coupling or functional terminating agent.

15. (Original) The method of claim 12, where the functionalized rubber includes both head and tail functionalization.

16. (Original) The method of claim 1, further comprising the step of shaping the vulcanizable composition of matter into a green tire component, and further comprising the step of curing the tire component.

17. (Original) The method of claim 1, where said step of adding at least one processing aid includes adding from about 0.1 to about 15 parts by weight processing aid per 100 parts by weight rubber.

18. (Original) The method of claim 1, where said step of adding at least one processing aid includes adding from about 0.5 to about 12 parts by weight processing aid per 100 parts by weight rubber.

19. (Cancelled)

20. (Cancelled)